

PRODUCT DATA SHEET

PTTO 8810 TURBINE OIL ADDITIVE

Application

PTTO 8810 is a performance additive package for the efficient formulation of mainline turbine oil additive system designed for steam and medium duty gas turbines. It can be used to formulate R&O turbine oils using Group I base stocks that meet the enhanced oxidation and filterability requirements of modern turbine oil specifications. **PTTO 8810** is recommended for bearing and circulating oil system.

Recommended Dosage

The recommended dosage for **PTTO 8810** additive is 0.7% by weight in Group I base stocks to meet or exceed the many requirements for premium turbine oils particularly high temperature gas turbine applications requiring:

- ALSTOM HTGD 90117
- ASTM D-4304 TYPE I
- ASTM D-4303 TYPE III
- BRITISH STANDARD BS 489
- DIN 51515 PART 1 & 2
- DIN 51524 PART 1
- GEK32568J
- ISO 8068 TSA and TGA
- ISO 11158 HH
- ISO 11158 HL
- SIEMENS AG TLV 9013 05 HIGH THERMAL STABILITY
- SIEMENS AG TLV 9013 04 STANDARD THERMAL STABILITY

The recommended dosage for **PTTO 8810** additive is 0.4% by weight for bearing and circulating oil application.

Typical Data

Property	Method	Value
Appearance	Visual	Clear Viscous Liquid
Density @ 15 °C, g/ml	ASTM D1298	0.946
Kinematic Viscosity @ 100 °C, cSt	ASTM D445	9
Kinematic Viscosity @ 40 °C, cSt	ASTM D445	135
Nitrogen, % wt	ASTM D5291	4.70
Pour point, °C	ASTM D6749	-24
Sulfated Ash, % wt	ASTM D874	<0.5
Flash Point (COC), °C	ASTM D92	>150

Storage, Handling & Toxicity

The recommended maximum operating temperature is 70°C. However, it is strongly recommended that for blending and long term storage the temperature should not exceed 45°C. For specific safety, handling and toxicity information please refer to the current Material Safety Data Sheet (MSDS) available from the company.

Packaging

The net weight of the additive is 195 kg/drum and is packed in steel drums.

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